

AN ESTIMATED GROSS CASH INCOME FROM THE SALE OF  
AGRICULTURAL PRODUCTS FROM OHIO FARMS BY  
COUNTIES - 1927

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Department of Rural Economics  
Ohio State University  
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Mimeograph Bulletin # 22

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Columbus, Ohio  
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Herein is presented the results of a study in which an attempt was made to estimate the gross cash income from the sale of products from Ohio farms by counties. Previous to the present study, there has not been available, information relating to the income from the several agricultural enterprises of Ohio in all eighty-eight counties. The information presented in the following table is not as complete and reliable as would be desirable, for as yet fully adequate data are not available. Nevertheless, it is believed that the data herein presented do give a fair picture of the sources of agricultural income in each county, and the relation of the most important enterprises to each other. It is hoped that as time goes on and more data become available that it will be possible to estimate with a greater degree of accuracy both the total agricultural income, and what percent of this total gross cash income is derived from the various enterprises.

Gross cash income in this study is taken to mean the actual total income to the farm from the sale of any agricultural commodity. However, there are a few minor exceptions, especially in the case of corn or any of the feed crops. A large amount of these crops when sold are sold to other farmers. Where the buyers are located in the same county as the sellers, the income has not been included, since this was an exchange between farmers within the county. When sold to farmers outside the county the sales have been included. It should be pointed out that these data do not necessarily indicate the relative importance of the various enterprises, but rather their importance as sources of income through sales. Thus corn, if it were all fed would not appear as a source of income. The year 1927 was used in this discussion as it appeared to be typical of recent years.

The data used as a basis for this study were obtained from the census publications, estimates obtained from the State - Federal Crop and Livestock Estimating Service, information previously compiled by the Department of Rural Economics, Ohio State University, and the best judgments and opinions of experts in the several agricultural enterprises.

All agricultural products have been included in this study, with the exception of a few, of only minor importance, such as honey and wax, nursery products, flowers, etc. Also, they have been omitted for want of a reliable method of estimating the income from them which would confine itself to the limitations of this project. The total receipts from sales for the state as a whole given in this study are \$321,000,000. In a more detailed study of the agricultural income of the state since 1910 recently completed by the Agricultural Experiment Station, the income from sales for the year 1927 was found to be \$350,000,000. This difference is largely due to the inclusion in the latter study of more of the minor items of income. It was deemed inadvisable to include them in the present study, because of the difficulty of satisfactorily dividing them among the counties. The total receipts as given in this study are, therefore, probably an underestimate rather than an overestimate.

As pointed out above the data given here do not indicate the total value of agricultural production. It is only the amount received for that portion of the product which was sold. The value of that portion consumed on the farm as feed, seed, or for home use etc., has not been included. Neither does it include the other sources of income of farmers such as income from outside work, appreciation on investment, interest on outside investment, etc. In other words the value of total production or of the total income to farmers would be much greater than the amount given in this report. The prices used were farm prices rather than market prices.

The county income was computed for the two years 1927 and 1928. There have been included here only the data for 1927. As an indication of the usual sources of income from the different counties, this year was considered more nearly normal because of the partial failure of the wheat crop in 1928. It is planned by the Experiment Station to compute this county income annually hereafter. Those interested in a more detailed account of the method of computing and a more complete statement of the agricultural income of the state should send to the Ohio Agricultural Experiment Station for the bulletin, "The Agricultural Income of Ohio," which will soon be available.

Perhaps a brief explanation is necessary stating what has been included under some of the enterprise headings which might leave a doubt in the mind of the reader. Under the heading "DAIRY" has been included the income from the sale of dairy products, veal calves and cull dairy cows, while under the enterprise headed "CATTLE," has been included the income from the sale of any cattle for meat purposes except veal calves and cull dairy cows. It should be noted that the cost of feeder cattle purchased has not been deducted from cattle sales. Under the heading "VEGETABLES" all vegetable crops, both greenhouse and outdoor production have been included except potatoes. Potatoes when grown near cities in trucking areas could rightfully be included with other vegetables, but a large portion of them in Ohio are grown as a field crop, and for that reason the income from them has been estimated separately. The heading "POULTRY" in this study has been taken to mean the income from both eggs and poultry meats, while "SHEEP" included wool and mutton.

The counties have been listed in nine groups for ease of comparing counties which have essentially the same type of agriculture. When arranged alphabetically, Allen follows Adams county, but scarcely anyone would be interested in comparing the two, because they are in nearly opposite corners of the

state, and follow quite different types of agriculture. The group names refer to the position of the counties within the state.

Owing to the fact that there is such a great variation in the size of counties, the total gross cash income is unsatisfactory as a means of comparing two counties because of difference in size and difference in type of agriculture. For that reason, it was thought advisable to calculate the gross cash income per acre. In doing so the total gross cash income was divided by the total number of acres of all land in farms in 1925. In estimating the gross cash income per farm, the total gross cash income was divided by the number of farms in each county. It should be noted that the low income per acre is largely due to the fact that the acreage designated in the census as "all land in farms" includes considerable areas of land not actually under cultivation and some not even used for pasture. In the following table the figures following each enterprise name represent the percentage of the total gross cash income derived from that enterprise in the county. These percentages are only given as approximations. Dairying ranks first as a source of income for the state as a whole, and also in 45 counties, but in 32 counties hogs rank first; in 3, cattle; in 3, fruit; in 2, vegetables; in 2, sheep, and in one, corn. Wood, Darke and Wayne Counties in the order named ranked first in volume of sales during the year 1927.

The following table gives by counties for the year 1927 the gross cash income from the sales of farm products, and the six leading sources of income arranged in order of importance and also the relative importance of each in terms of percent of total income from sales.

The Estimated Gross Cash Income from the Sale of Agricultural Products from the Farm,  
and the Percent of the Total Coming from each of the most  
Important Enterprises - 1927

County	Agricultural Gross Cash Income			Rank of the Sources of Income and their relative importance												Total Per Cent	
	Total (000 omitted)	Per Acre	Per Farm	First	Per-	Second	Per-	Third	Per-	Fourth	Per-	Fifth	Per-	Sixth	Per-		Miscel. Percent of Total
					cent of Total		cent of Total		cent of Total		cent of Total		cent of Total		cent of Total		
North West																	
Allen	\$3,593	\$15.80	\$1,327	Hogs	33	Dairy	22	Poultry	14	Cattle	6	Wheat	6	Oats	4	15	100
Defiance	3,100	13.30	1,383	Dairy	27	Poultry	17	Hogs	17	Wheat	9	Oats	8	Corn	7	15	100
Fulton	5,037	21.30	1,725	Dairy	28	Hogs	25	Poultry	14	Wheat	9	Cattle	6	Oats	5	13	100
Hancock	5,527	17.70	1,805	Hogs	37	Dairy	18	Poultry	10	Wheat	10	Cattle	8	Hay	4	13	100
Henry	4,552	18.40	1,748	Hogs	17	Dairy	15	Wheat	14	Corn	13	Poultry	13	S. Beets	9	19	100
Lucas	3,554	28.40	1,647	Veg.	15	Hogs	14	Dairy	14	Potatoes	11	Wheat	10	Poultry	10	26	100
Paulding	3,133	13.10	1,533	Corn	24	Oats	18	Dairy	18	Hogs	16	Poultry	11	Wheat	5	8	100
Putnam	5,562	20.10	1,869	Hogs	29	Wheat	17	Dairy	13	Poultry	11	Cattle	8	Corn	6	16	100
Van Wert	3,241	13.10	1,258	Hogs	29	Dairy	18	Poultry	16	Oats	10	Corn	7	Wheat	6	14	100
Williams	4,202	17.10	1,556	Dairy	29	Hogs	25	Poultry	15	Wheat	9	Cattle	4	Oats	4	14	100
Wood	8,045	22.50	1,980	Hogs	18	Dairy	14	Cattle	12	Corn	11	Wheat	10	Poultry	10	25	100
North Central																	
Ashland	2,919	12.50	1,250	Dairy	31	Poultry	17	Hogs	17	Wheat	15	Sheep	7	Cattle	4	9	100
Crawford	4,157	17.30	1,747	Hogs	33	Dairy	18	Poultry	13	Wheat	8	Cattle	8	Sheep	6	14	100
Erie	3,335	24.60	1,820	Fruit	31	Dairy	17	Poultry	10	Wheat	9	Potatoes	8	Veg.	8	17	100
Huron	3,331	12.00	1,212	Dairy	25	Hogs	16	Poultry	14	Wheat	10	Sheep	9	Veg.	6	20	100
Lorain	4,513	17.50	1,347	Dairy	56	Poultry	12	Fruit	7	Potatoes	7	Veg.	5	Wheat	5	8	100
Ottawa	4,402	31.90	2,233	Fruit	45	Hogs	10	Dairy	10	Poultry	8	Corn	7	Wheat	6	14	100
Richland	3,575	14.10	1,297	Dairy	27	Poultry	16	Hogs	15	Wheat	14	Potatoes	7	Sheep	6	15	100
Sandusky	4,846	20.10	1,749	Hogs	25	Dairy	17	Wheat	13	Poultry	10	Cattle	6	Corn	6	23	100
Seneca	5,407	16.90	1,808	Hogs	32	Dairy	18	Wheat	14	Poultry	12	Sheep	6	Hay	5	13	100
Wyandot	3,737	15.60	1,732	Hogs	36	Dairy	16	Poultry	14	Sheep	10	Wheat	8	Hay	5	11	100

County	Agricultural			Rank of the Sources of Income and their relative importance													Total Per Cent
	Gross Cash Income			First	Per- cent of Total	Second	Per- cent of Total	Third	Per- cent of Total	Fourth	Per- cent of Total	Fifth	Per- cent of Total	Sixth	Per- cent of Total	Miscel. Percent of Total	
	Total (OOO omitted)	Per Acre	Per Farm														
North East																	
Ashtabula	\$5,066	\$14.30	\$1,115	Dairy	60	Poultry	14	Fruit	9	Potatoes	4	Hay	4	Hogs	3	6	100
Columbiana	3,196	13.80	1,021	Dairy	46	Poultry	19	Wheat	8	Hogs	8	Hay	4	Potatoes	4	11	100
Cuyahoga	2,835	21.80	1,046	Veg.	35	Dairy	23	Poultry	13	Fruit	12	Potatoes	10	Hay	3	4	100
Geauga	3,741	17.10	1,488	Dairy	58	Poultry	13	Potatoes	8	Maple P.	8	Fruit	4	Hay	3	6	100
Lake	1,861	17.30	969	Dairy	32	Fruit	31	Poultry	14	Veg.	11	Potatoes	5	Hay	3	4	100
Mahoning	3,190	16.30	1,239	Dairy	50	Poultry	13	Fruit	9	Veg.	7	Hogs	5	Potatoes	4	12	100
Medina	3,699	15.40	1,217	Dairy	48	Poultry	18	Potatoes	8	Wheat	6	Hogs	4	Veg.	4	12	100
Portage	3,957	15.70	1,256	Dairy	55	Poultry	14	Potatoes	11	Veg.	4	Hogs	3	Maple P.	3	10	100
Stark	5,406	18.10	1,213	Dairy	49	Poultry	14	Wheat	9	Hogs	9	Potatoes	7	Veg.	5	7	100
Summit	3,018	17.80	1,317	Dairy	49	Poultry	13	Potatoes	11	Veg.	9	Wheat	6	Hogs	5	7	100
Trumbull	3,889	13.20	1,003	Dairy	59	Poultry	17	Hogs	5	Potatoes	4	Veg.	4	Hay	4	7	100
Wayne	6,192	19.10	1,566	Dairy	38	Poultry	17	Wheat	16	Hogs	10	Potatoes	7	Hay	3	9	100
West Central																	
Auglaize	4,314	18.20	1,674	Hogs	31	Dairy	17	Wheat	16	Poultry	14	Cattle	7	Oats	4	11	100
Champaign	3,938	15.50	1,674	Hogs	29	Dairy	23	Wheat	15	Poultry	9	Cattle	8	Corn	8	8	100
Clark	3,858	17.80	1,584	Hogs	30	Dairy	24	Wheat	16	Cattle	9	Poultry	8	Potatoes	4	9	100
Darke	7,410	20.30	1,401	Hogs	31	Dairy	17	Poultry	15	Tobacco	14	Wheat	12	Corn	3	8	100
Hardin	5,149	18.50	1,887	Hogs	26	Veg.	23	Dairy	10	Poultry	9	Cattle	6	Sheep	6	20	100
Logan	3,428	12.90	1,251	Hogs	27	Dairy	22	Poultry	14	Cattle	9	Sheep	8	Wheat	6	14	100
Mercer	4,218	15.40	1,432	Hogs	32	Dairy	18	Poultry	17	Wheat	10	Oats	7	Corn	5	11	100
Miami	4,345	18.40	1,362	Hogs	22	Dairy	21	Poultry	13	Wheat	12	Tobacco	9	Corn	7	16	100
Shelby	3,703	15.40	1,494	Hogs	30	Dairy	20	Poultry	15	Wheat	10	Oats	9	Corn	6	10	100



County	Agricultural Gross Cash Income			Rank of the Sources of Income and their relative importance												Total Per Cent	
	Total (000 omitted)	Per Acre	Per Farm	First	Per-	Second	Per-	Third	Per-	Fourth	Per-	Fifth	Per-	Sixth	Per-		Miscel. Percent of Total
					cent of Total		cent of Total		cent of Total		cent of Total		cent of Total		cent of Total		
Central																	
Delaware	\$3,943	\$14.60	\$1,358	Dairy	35	Hogs	22	Poultry	14	Sheep	8	Fruit	6	Cattle	5	10	100
Fairfield	5,108	17.40	1,549	Hogs	28	Dairy	18	Wheat	17	Cattle	15	Poultry	11	Fruit	3	8	100
Fayette	4,362	18.30	2,635	Hogs	55	Cattle	12	Wheat	7	Poultry	7	Dairy	6	Veg.	5	8	100
Franklin	4,939	18.80	1,354	Dairy	33	Hogs	22	Wheat	13	Poultry	12	Veg.	7	Cattle	3	10	100
Knox	4,095	13.40	1,340	Dairy	22	Sheep	20	Hogs	17	Poultry	14	Wheat	13	Cattle	6	8	100
Licking	5,204	13.20	1,241	Dairy	33	Hogs	20	Sheep	12	Poultry	12	Wheat	10	Cattle	5	8	100
Madison	4,371	15.50	2,526	Hogs	43	Wheat	17	Cattle	11	Dairy	10	Poultry	7	Corn	5	7	100
Marion	3,187	13.90	1,765	Hogs	35	Dairy	21	Poultry	13	Cattle	8	Sheep	7	Wheat	5	11	100
Morrow	2,753	11.90	1,142	Dairy	27	Hogs	17	Poultry	16	Sheep	16	Wheat	8	Potatoes	5	11	100
Pickaway	5,795	19.50	2,749	Hogs	31	Wheat	21	Cattle	15	Dairy	10	Corn	8	Poultry	7	8	100
Ross	4,728	12.50	1,625	Hogs	27	Cattle	18	Wheat	17	Dairy	10	Poultry	8	Corn	6	14	100
Union	3,722	15.00	1,515	Hogs	32	Dairy	26	Poultry	13	Sheep	8	Wheat	6	Cattle	4	11	100
East Central																	
Belmont	3,308	11.70	877	Dairy	38	Poultry	19	Hogs	10	Sheep	9	Cattle	9	Veg.	3	12	100
Carroll	1,714	7.90	893	Dairy	29	Poultry	17	Sheep	16	Hogs	13	Wheat	8	Cattle	7	10	100
Coshocton	3,018	9.30	995	Dairy	23	Sheep	19	Poultry	13	Cattle	13	Hogs	12	Wheat	11	9	100
Harrison	1,669	7.20	799	Sheep	35	Dairy	25	Poultry	13	Cattle	11	Wheat	7	Hogs	5	4	100
Holmes	3,106	12.80	1,280	Dairy	35	Poultry	19	Hogs	18	Wheat	15	Sheep	5	Potatoes	2	6	100
Jefferson	1,464	7.70	808	Dairy	36	Poultry	14	Sheep	9	Cattle	8	Wheat	6	Hogs	5	22	100
Tuscarawas	2,872	9.80	961	Dairy	40	Poultry	15	Hogs	12	Wheat	10	Cattle	7	Sheep	5	11	100

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	Total (000 omitted)	Per Acre	Per Farm	First	Per- cent of Total	Second	Per- cent of Total	Third	Per- cent of Total	Fourth	Per- cent of Total	Fifth	Per- cent of Total	Sixth	Per- cent of Total	Miscel. Percent of Total	
South West																	
Butler	\$4,438	\$17.40	\$1,827	Dairy	30	Hogs	24	Wheat	23	Poultry	10	Cattle	3	Veg.	2	8	100
Clermont	2,942	11.30	825	Dairy	34	Poultry	21	Hogs	13	Tobacco	7	Fruit	6	Hay	4	15	100
Clinton	4,381	18.10	1,991	Hogs	54	Dairy	13	Wheat	12	Poultry	10	Cattle	3	Sheep	3	5	100
Greene	4,175	17.40	1,740	Hogs	33	Dairy	21	Wheat	21	Poultry	10	Cattle	5	Sheep	4	6	100
Hamilton	3,964	24.40	1,122	Dairy	33	Veg.	19	Poultry	14	Potatoes	13	Hogs	7	Fruit	5	9	100
Montgomery	5,418	22.80	1,368	Dairy	28	Hogs	18	Tobacco	15	Wheat	13	Poultry	12	Veg.	5	9	100
Preble	4,985	19.60	1,764	Hogs	41	Dairy	18	Wheat	13	Poultry	10	Cattle	7	Tobacco	7	4	100
Warren	4,518	19.10	1,814	Hogs	36	Dairy	24	Wheat	11	Poultry	10	Veg.	6	Tobacco	4	9	100
South Central																	
Adams	2,270	7.30	730	Dairy	23	Tobacco	20	Poultry	18	Hogs	17	Cattle	17	Wheat	4	7	100
Brown	2,810	9.60	797	Dairy	27	Hogs	22	Poultry	20	Tobacco	17	Cattle	5	Wheat	3	6	100
Gallia	1,855	7.70	701	Dairy	25	Poultry	20	Fruit	16	Cattle	11	Tobacco	9	Hogs	7	12	100
Highland	4,164	12.40	1,302	Hogs	46	Dairy	16	Poultry	14	Wheat	9	Cattle	8	Sheep	3	4	100
Jackson	1,290	6.30	724	Cattle	25	Dairy	25	Poultry	15	Fruit	15	Hogs	11	Hay	4	5	100
Lawrence	1,489	7.90	585	Fruit	28	Dairy	25	Poultry	12	Cattle	10	Veg.	7	Hogs	6	12	100
Pike	1,348	6.20	744	Hogs	29	Poultry	15	Dairy	15	Cattle	14	Corn	9	Potatoes	5	13	100
Scioto	2,216	9.00	783	Dairy	31	Corn	16	Potatoes	13	Poultry	12	Hogs	10	Fruit	4	14	100

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	Gross Cash Income			First	Per- cent of Total	Second	Per- cent of Total	Third	Per- cent of Total	Fourth	Per- cent of Total	Fifth	Per- cent of Total	Sixth	Per- cent of Total		Miscel. Percent of Total
	Total (000 omitted)	Per Acre	Per Farm														
South East																	
Athens	\$1,848	\$ 7.60	\$ 752	Dairy	29	Cattle	19	Poultry	17	Sheep	12	Hogs	7	Fruit	7	9	100
Guerrsey	2,159	7.50	720	Dairy	36	Cattle	17	Sheep	17	Poultry	15	Hogs	7	Hay	4	4	100
Hocking	982	5.10	617	Dairy	29	Cattle	17	Poultry	15	Hogs	14	Fruit	6	Sheep	5	14	100
Meigs	1,866	7.80	686	Dairy	24	Poultry	23	Cattle	12	Fruit	11	Sheep	9	Hogs	9	12	100
Monroe	1,721	7.00	616	Dairy	37	Poultry	22	Cattle	12	Hogs	11	Wheat	5	Sheep	4	9	100
Morgan	1,911	7.90	853	Sheep	23	Cattle	23	Dairy	19	Poultry	18	Hogs	7	Hay	4	6	100
Muskingum	3,646	10.00	990	Dairy	29	Cattle	18	Sheep	16	Poultry	13	Hogs	11	Wheat	6	7	100
Noble	2,168	9.00	846	Cattle	30	Dairy	23	Poultry	15	Sheep	15	Hogs	9	Wheat	4	4	100
Perry	1,815	9.50	855	Dairy	25	Hogs	19	Cattle	18	Poultry	13	Wheat	11	Sheep	8	6	100
Vinton	802	4.20	504	Dairy	28	Poultry	20	Cattle	19	Fruit	8	Sheep	7	Hogs	7	11	100
Washington	4,085	11.20	952	Cattle	20	Dairy	19	Veg.	17	Poultry	12	Potatoes	7	Hogs	6	19	100
State	\$321,305	\$14.50	\$1,317	Dairy	26	Hogs	21	Poultry	13	Wheat	9	Cattle	7	Sheep	4	20	100

